ACC NR: AP6036351

solution of sodium chloride and acetic acid. The range of highly elastic deformation of the DOS-30 copolymer extends from -40 to +220°C; the glass transition temperature is -40°C; the copolymer begins to cross-link at 220°C. Rubber mixtures based on SKDOS-30 copolymer were prepared in accordance with the standard recipe for SKS-30 rubber. The vulcanization of the mixtures lasted 20 min at 142±1°C. In physico-mechanical properties, SKDOS-30 vulcanizates are equivalent to rubbers based on SKS-30, with the exception of the fatigue strength, which is several times greater than that of SKS-30 rubbers.

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Card 2/2

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INVENTOR: Galashina, M. L.; Matveyeva, G. A.; Sobolevskiy, M. V.; Chernyshev, Ye. A.; Tolstikova, N. G.

ORG: none

TITLE: Method of preparing polymethylthienylsiloxanes. Class 39, No. 190571

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 2, 1967, 88

TOPIC TAGS: siloxane, alkylchlorosilane, thienylsiloxane, trimethylchlorosilane, polycondensation, hydrolytic polycondensation

ABSTRACT: An Author Certificate has been issued for a method of obtaining polymethylthienylsiloxanes by hydrolytic polycondensation of dimethyldichlorosilane, trimethylchlorosilane, and thienyl- substituted alkylchlorosilane. To increase the thermal stability of the obtained polymethylthienylsiloxanes, bis(dimethylchlorosilyl) thiophene is used as the thienyl-substituted alkylchlorosilane. [Translation] [NT]

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